

What Is Claimed Is:

1. A film, wherein a percentage strain change 100 hours after applying a load of 3.5MPa at a temperature of 23°C is not more than 2.0%, and a percentage strain change 100 hours after  
5 applying a load of 0.5MPa at a temperature of 55°C is not more than 2.5%.

2. The film according to claim 1, wherein the elastic modulus at a temperature of 23°C is not more than 60MPa, and the  
10 elastic modulus at a temperature of 55°C is not more than 20MPa.

3. The film according to claim 1, which comprises at least one substantially random interpolymer comprising:

(1) 1 to 99mol% of polymer units derived from

15 (a) at least one aromatic vinyl or vinylidene monomer, or

(b) at least one hindered aliphatic or cycloaliphatic vinyl or vinylidene monomer, or

(c) a combination of at least one aromatic vinyl or vinylidene monomer, and at least one hindered aliphatic or cycloaliphatic  
20 vinyl or vinylidene monomer, and

(2) 1 to 99mol% of polymer units derived from at least one  $\alpha$ -olefin having 2 to 20 carbon atoms.

4. The film according to claim 3, wherein said interpolymer  
25 is a substantially random interpolymer comprising 5 to 65mol% of polymer units derived from at least one aromatic vinyl or vinylidene